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John T. Pienkos, Reg. No. 42,997

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

pplicant(s):

David Charles Schwartz, et al.

Serial No.:

10/713,898

Filed:

October 18, 2002

For:

MICRO FLUIDIC SYSTEM FOR SINGLE MOLECULE IMAGING

Docket No.:

960296.99047

INFORMATION DISCLOSURE STATEMENT

This paper is being presented for filing in the above case pursuant to Rules 97 and 98 of the Rules of Practice.

Four sets of Forms PTO/SB/08A "Information Disclosure Statement by Applicant" are attached. The first set of Forms PTO/SB/08A lists newly-cited references, and copies of the references are enclosed.

As for the remaining three sets of Forms PTO/SB/08A, these respectively list references that were cited during the prosecution of three patent applications of which the present Application claims the benefit, namely, U.S. patent application Nos. 09/962,802 (now U.S. Patent No. 6,610,256); 08/855,410 (now U.S. Patent No. 6,294,136); and 08/415,710 (now U.S. Patent No. 5,720,928). The Applicants respectfully submit that, pursuant to 37 CFR 1.98(d), no copies of the references listed on these Forms PTO/SB/08A need be submitted to the Patent Office.

No additional fees for filing this paper are believed to be due. However, the Commissioner is hereby authorized to charge any additional fees due or to credit any overpayment to deposit account no. 17-0055.

Respectfully submitted,

DAVID CHARLES SCHWARTZ, et al.

Bv:

John T. Pienkos Reg. No. 42,997

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Application Number 10/713,898 Filing Date October 18, 2002 First Named Inventor David Charles Schwartz, et al. Art Unit

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STATEMENT BY APPLICANT (Use as many sheets as necessary)

INFORMATION DISCLOSURE

Examiner Name Attorney Docket Number 960296.99047

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (f known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		^{US-} 6,123,819	09-26-2000	Peeters	
		^{US-} 2002/0037499 A1	03-28-2002	Quake et al.	
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		^{US-} 6,610,256	08-26-2003	Schwartz	
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		WO 94/18218	08-18-1994	Seq, Ltd.				
		WO 00/09757	02-24-2000	U.S. Genomics				
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Substitute for form 1449/FTO	Application Number	10/713,898			
INFORMATION DISCLOSURE	Filing Date	October 18, 2002			
STATEMENT BY APPLICANT	First Named Inventor	David Charles Schwartz, et al.			
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Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. Chih-Ming Ho, "Fluidics - The Link Between Micro and Nano Sciences and Technologies", Proceedings of the IEEE 14th Annual International Conference On Microelectro Mechancial Systems. MEMS 2001. Interlaken, Switzerland, Jan 21-25, 2001, IEEE International Micro Electro Mechanical Systems Conference, New York, NY: IEEE, US, vol. CONF. 14, (01-21-2001), pgs 375-384, XP010534628 ISBN: 0-7803-5998-4, pg 378-379. Unger M A Et Al: "Monolithic Microfabricated Valves and Pumps by Multilayer Soft Lithography", Science, American Association For The Advancement Of Science, US,	T ²
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NY: IEEE, US, vol. CONF. 14, (01-21-2001), pgs 375-384, XP010534628 ISBN: 0-7803-5998-4, pg 378-379. Unger M A Et Al: "Monolithic Microfabricated Valves and Pumps by Multilayer Soft Lithography", Science, American Association For The Advancement Of Science, US,	
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vol. 288, 04/07/2000, pgs. 113-116, XP002192277 ISSN: 0036-8075 Figure 1.	
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Attorney Docket Number 960296.99047

Examiner	Cite	Document Number	U. S. PATENT Publication Date	Name of Patentee or Pages, Columns, Line	
Initials*	Cite No. ¹	Number-Kind Code ^{2 (# known)}	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
		^{US-} 4,473,452	Sep., 1984	Cantor et al.	
		^{us-} 4,695,548	Sep., 1987	Cantor et al.	
		^{US-} 4,737,251	Apr., 1988	Carle et al.	
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Examiner Initials*	Cite No.1		Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ³ "Number ⁴ "Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T ⁶	
		FR 2605472	Apr., 1988	Alain Bouillet			
		WO 84/02001	May, 1984	Trustees of Columbia Univers			
		WO 87/01955	Sep., 1987	Washington University			
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Cubulat	14-16/11			Application Number	10/713,898
INFO	ORMATION	DIS	CLOSURE	Filing Date	October 18, 2002
STA	TEMENT B	BY A	PPLICANT	First Named Inventor	David Charles Schwartz, et al.
				Art Unit	
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Sheet	2	of	9	Attorney Docket Number	960296.99047

		OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
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Substitu	ute for form 1449B/PTC)		Complete if Known		
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Sheet	3	of	9	Attorney Docket Number	960296.99047	

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	_
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
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Sheet 7 of 9	Attorney Docket Number	960296.99047	

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		Woolf et al., "Mapping genomic organization by field inversion and two dimensional gel electrophoresis", Nucleic Acid Research, Vol. 16, No. 9 (1988), pp. 3863-3875.	
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			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2 (# known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		^{US-} 4,473,452	Sep., 1984	Cantor et al.	204/180
		^{US-} 4,695,548	Sep., 1987	Cantor et al.	435/179
		^{US-} 4,737,251	Apr., 1988	Carle et al.	204/182
		^{US-} 4,767,700	Aug., 1988	Wallace	435/6
		^{US-} 4,870,004	Sep., 1989	Conroy et al.	435/6
		^{US-} 5,059,294	Oct., 1991	Lizardi	204/458
		^{US-} 5,079,169	Jan., 1992	Chu et al.	436/174
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		^{US-} 5,380,833	Jan., 1995	Urdea	536/22
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		^{US-} 5,985,549	Nov., 1999	Singer et al.	435/6
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		FR 2605472	Apr., 1988	Alain Bouillet		
		WO 84/02001	May, 1984	Trustees of Columbia Univers		
		WO 87/01955	Sep., 1987	Washington University		
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				Application Number	10/713,898	
INFORMATION DISCLOSURE				Filing Date	October 18, 2002	
STATEMENT BY APPLICANT			APPLICANT	First Named Inventor	David Charles Schwartz, et al.	
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	(use as ma	any sheet	s as necessary)	Examiner Name		
Sheet	7	of	8	Attorney Docket Number	960296.99047	

	OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²				
		Southern, 1975, "Detection of Specific Sequences among DNA Fragments Separated by Gel Electrophoresis", J. Mol. Biol. 98: 503-517.					
		Stallings et al., 1990, "Physical Mapping of Human Chromosomes by Repetitive Sequence Fingerprinting", Proc. Natl. Acas. Sci. USA 87: 6218-6222.					
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		Zenhausern et al., 1992, "Imaging of DNA by Scanning Force Microscopy", J. Struct. Biol. 108: 69-73.					
		Zubay, 1988, Biochemistry (Macmillan Publishing Company, New York) pp. 918-919.					

Examiner	Date	
Signature	Considered	
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^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 14498/PTO	Co	Complete if Known		
	Application Number	10/713,898		
INFORMATION DISCLOSU	E Filing Date	October 18, 2002		
STATEMENT BY APPLICA	T First Named Inventor	David Charles Schwartz, et al.		
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(use as many sheets as necessary)	Examiner Name			
Sheet 8 of 8	Attorney Docket Number	960296.99047		

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Examiner Initials	Cite No.1	item (book, magazine, journal, serial, symposium, catalog, etc.), date publisher, city and/or country where publisher.	, page(s), volume-i		Т
		Houseal et al., 1989, "Real-Time Imaging of Single DNA Mole Microscopy", Biophys. J. 56: 507-516.	ecules with Flu	orescence	
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Examiner	Date	
Signature	Considered	

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